LCD Monitor Series

17.0 TFT Active Matrix LCD Panel
User's Manual

All Information in this manual may change from time to time without prior notice.

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Safety Instructions

1. **Please read these safety instructions carefully.**

2. **Please keep this User‘s Manual for later reference.**

3. **Please disconnect this equipment from connecter before cleaning. Don‘t use liquid or sprayed detergent for cleaning. Use moisture sheet or cloth for cleaning.**

4. **Make sure the voltage of the power source when you try to connect the equipment to the power outlet.**

5. **All cautions and warnings on the equipment should be noted.**

6. **Never pour any liquid into opening, this could cause fire or electrical shock.**

7. **Never open the equipment. For safety reason, the equipment should only be opened by qualified service personnel.**

8. **If one of the following situations arises, get the equipment checked by a service personnel :**

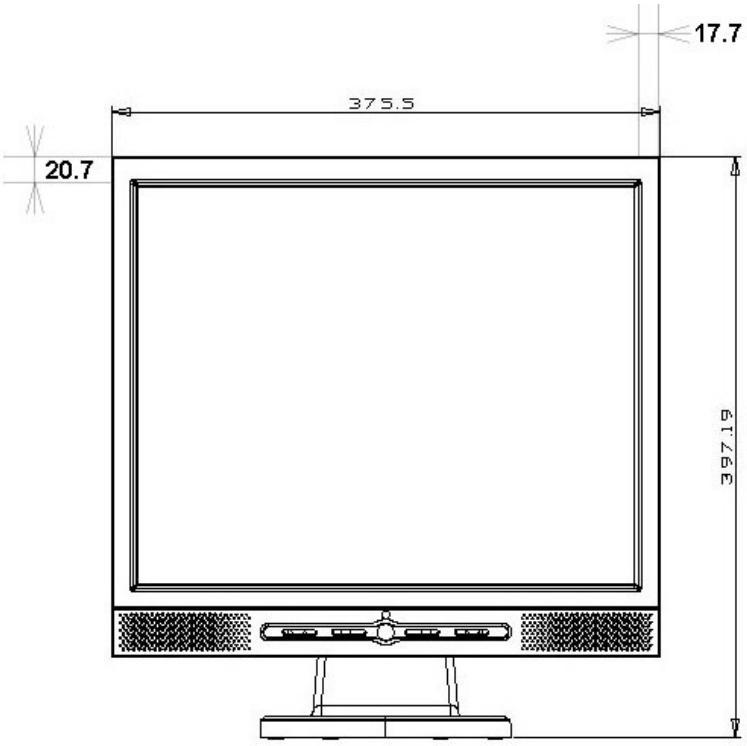
   a. **Liquid has penetrated into the equipment.**
   b. **The equipment has been exposed to moisture.**
   c. **The equipment has not work well or you can not get it work according to user‘s manual.**
   d. **The equipment has dropped and damaged.**
   d. **If the equipment has obvious sign of breakage.**

9. **DO NOT LEAVE THIS EQUIPMENT IN AN ENVIRONMENT UNCONDITIONED, STORAGE TEMPERATURE ABOVE 40°C, IT MAY DAMAGE THE EQUIPMENT.**

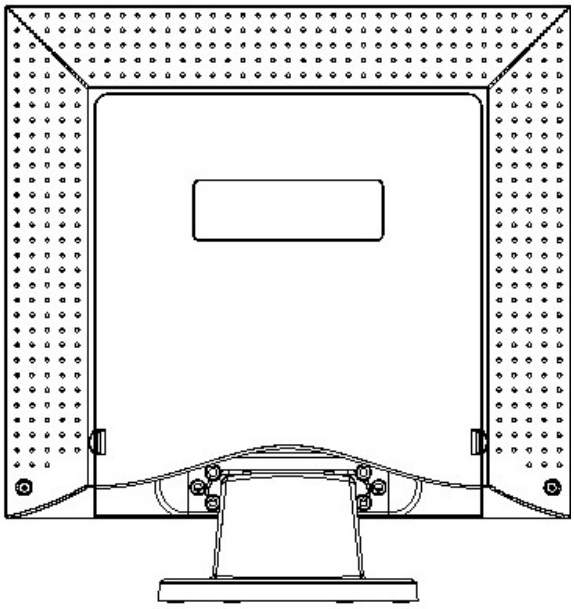
10. **Adaptor source :**

    a. **Channel Well Technology, MODEL PAA050F.**
    b. **Linearity Electronics co. LTD,MODEL LAD6019AB4**

View of Monitor

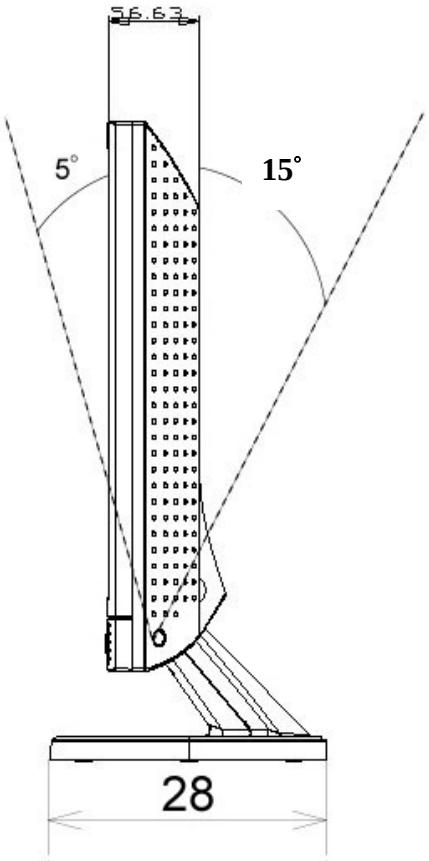


Front View (1)



Back View (2)

View of Monitor

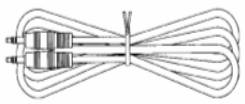


Side View (3)

Unpacking

Thank you for your purchase. Please first check the following package content of the 17" LCD monitor. Contact your dealer or store where you purchased the LCD monitor if anything is missing.

17" TFT LCD Monitor	

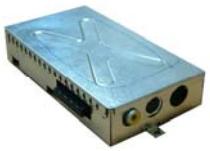
External Univ15 pin D-sub (RGB Analog) input signal cable *DVI. and Video are optional*		**Power Cord**	
AD / DC Adpter External Universal (DC 12V, 50 / 60Hz) (AC 100-240V)		**Audio Cable with Stereo Phone Jack**	
CD User's Manual		**Quick Start Guide**	

Warning

1. **Make sure that the system power is turned off.**
2. **Plug the signal cable to the signal connector at the rear of PC.**
3. **Plug adapter output cable to the jack at the rear of LCD monitor and the power cord to the adapter.**
4. **Connect the power cord to power source.**
5. **Turn on the computer and the monitor.**
6. **For the best display quality, we suggest that you set the resolution as shown page 21 (Display Mode).**

Optional TV Tuner

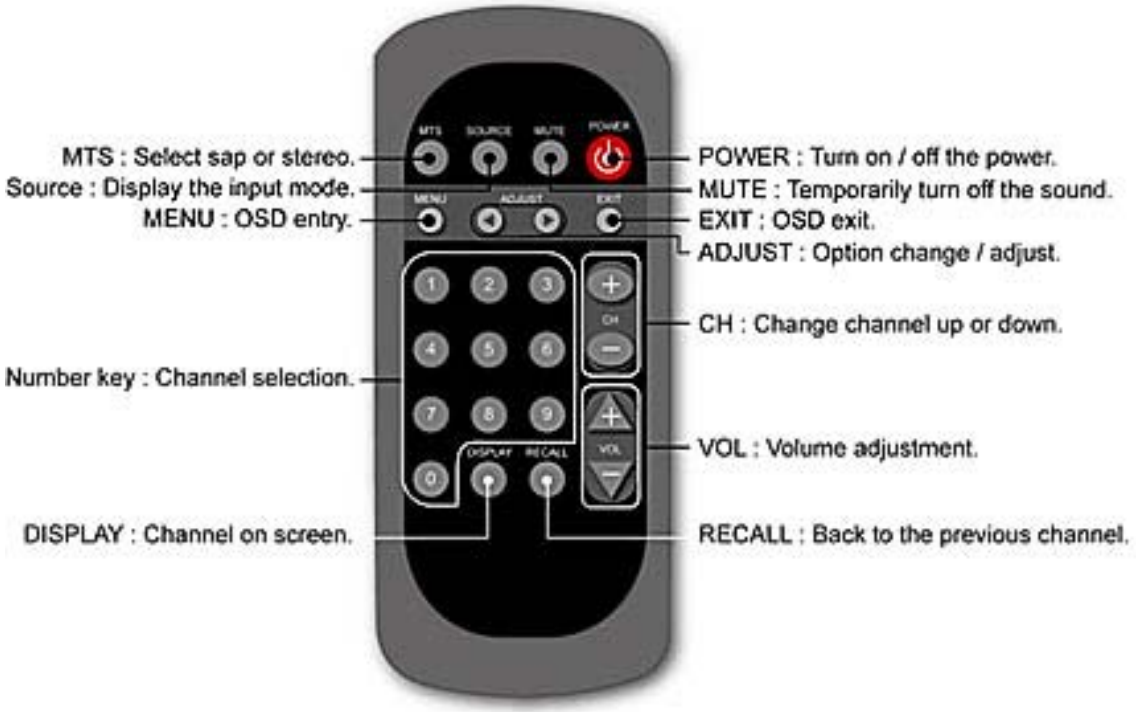
The 17” LCD monitor optionally supports TV tuner function with the following accessories . It can be purchased separately. Contact your dealer for detail.

Optional TV Tuner	

S-Video Cable		**Composite Cable**	
Europ PAL System I to I Dungle		**U.S. NTSC System PH to F Dungle**	
RCA to Phone Jack Cable		**Remote Control**	

Remote Control (Option)

Use the remote control by point toward the IR sensor window.
Notice: 1. The remote may not work properly during the low battery condition.
2. Do not place the remote under direct sunlight or area with high humidity.
If the remote control fails to operation, replace the battery in the remote control.
Notice: Insert battery (Lithium battery) with its terminals corresponding to the <+> and <-> indications in the battery compartment.


MTS : Select sap or stereo.
Source : Display the input mode.
MENU : OSD entry.
Number key : Channel selection.
DISPLAY : Channel on screen.
POWER : Turn on / off the power.
MUTE : Temporarily turn off the sound.
EXIT : OSD exit.
ADJUST : Option change / adjust.
CH : Change channel up or down.
VOL : Volume adjustment.
RECALL : Back to the previous channel.

Cleaning Notes

1. **Be gentle to clean the screen.**
2. **Never use any kind of corrosiveness chemical dissolvent to clean the screen, it may hurt your screen surface.**
3. **We suggest that a camel hair brush or a soft, lint-free cloth be used to clean the screen.**
4. **Don't exert any pressure directly to the LCD screen**.

Precaution

1. **Do not expose the monitor to direct sunlight or heat.**
2. **Do not spill liquid on the monitor.**
3. **Do not attempt to open the monitor. You may be hurt by electric shock. For service, call your place of purchase.**
4. **Do not use your monitor when magnets or electronic products are operating nearby.**
5. **Do not use harsh chemicals or strong cleaning solvents to clean the monitor screen. Wipe it with clean, soft clothes applied with mild solution.**
6. **Do not place anything on your monitor. Bad ventilation may elevate temperature in the monitor.**
7. **Don't use your fingers to touch the LCD screen, directly. Fingerprint contains oil and may be difficult to clean.**

Features

Power Saving:

The power management complies with VESA DPMS standard. When the system is idle (Off Mode), the monitor automatically cut its power consumption to a level less than 5w.

Auto Adjustment Key Function:

With "AUTO" key, you can automatically adjust the display for your best view.

Wide Viewing Angle:

The horizontal 150°and vertical 125° offer you great screen view.

Plug and play compatibility:

With DDC1/DDC2B compliance, the monitor is plug and play compatible to Windows 95/98/me/2000/XP.

Space Saving:

The monitor is designed with 280 mm indepth to provide you with more hand room for desk working space.

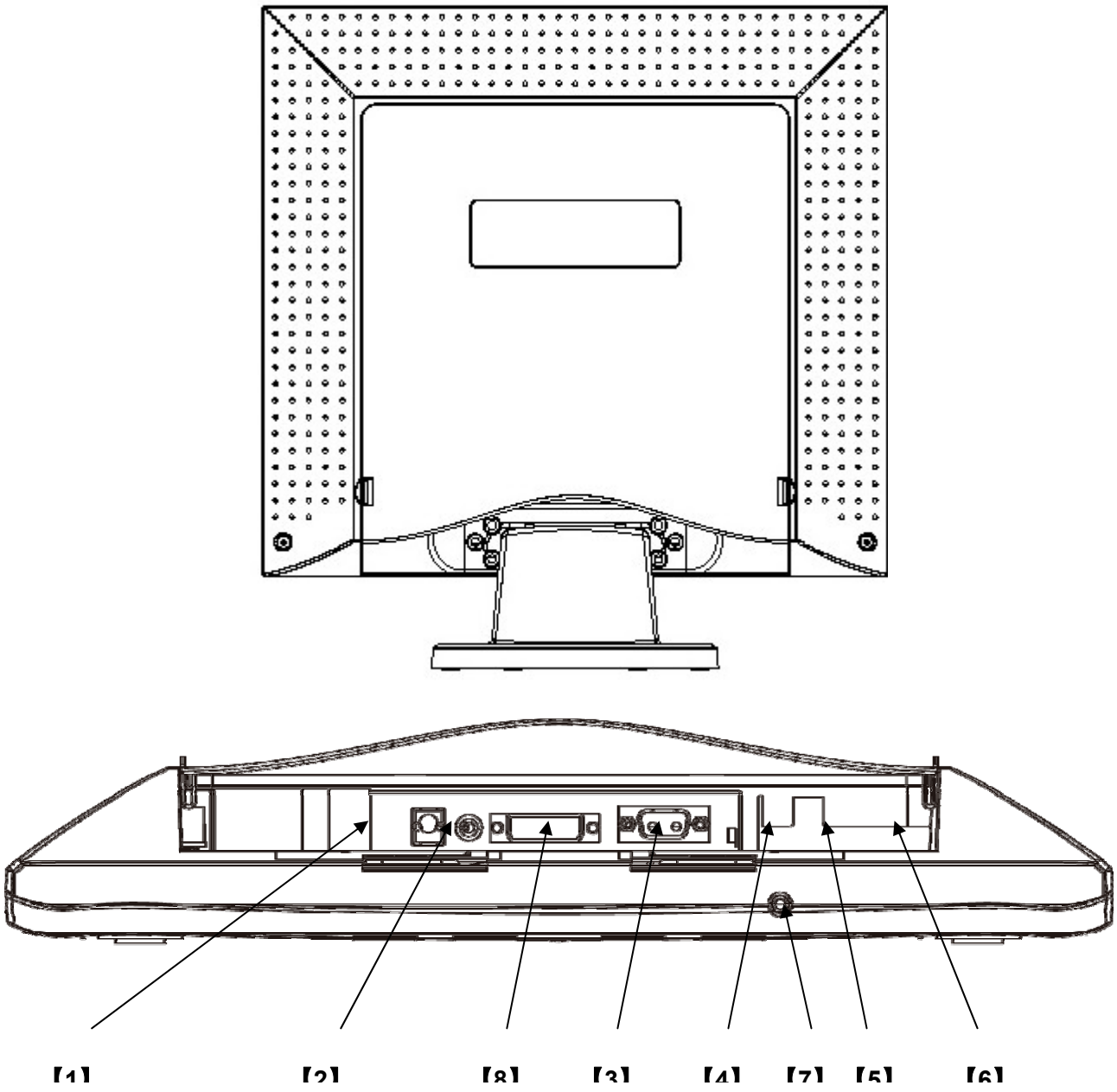
Side-by-Side :

The monitor comes with 17.7 mm trimmed down frame to offer side-by-side operation

Hardware Installation

Be careful to your LCD monitor. It's very delicate and easy to break. Turn off LCD's and PC's power before installation. Follow the installation step by step described below.

Input



【1】DC-IN：This is for connecting the power cable

【2】AUDIO-IN：This can be connected to the audio-out connector of any sound resource.

【3】VGA-IN：This can be connected with the D-Sub 15 pin signal cable.

【4】VIDEO：This is for (RCA) composite video in from video source. *(option)

【5】S-IN：This can be connected with the S-Video signal cable. * (option)

【6】TV ：This can be connected with the TV signal cable. *(option)

【7】Audio Out：This is for connection of headphone or external speaker.

【8】DVI-D：This can be connected with the DVI-D compatible signal cable. *(option)

Hardware Installation Step by Step

1. **Turn your monitor upside down carefully with panel facing you to locate all connector port.**

2. **Plug in signal cable to VGA-IN of the monitor and the other side of the cable to the computer.**

3. **Connect the audio cable to AUDIO-IN on the monitor, and the other side to computer line out.**

Hardware Installation Step by Step

4. **Plug power cord onto DC adapter.**

5. **Plug the DC cable from power adapter onto the DC-IN on monitor.**

6. **Congratulations! You have just completed the hardware installation.**

Hardware Installation TV Tuner (Option)

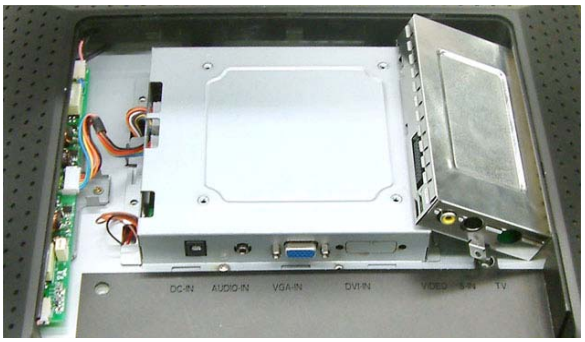
1. **Hardware installation for optional TV tuner of the 17” TFT LCD monitor is described below.**

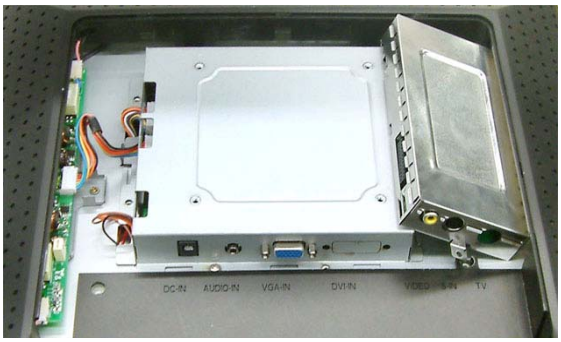
Hardware Installation TV Tuner (Option)

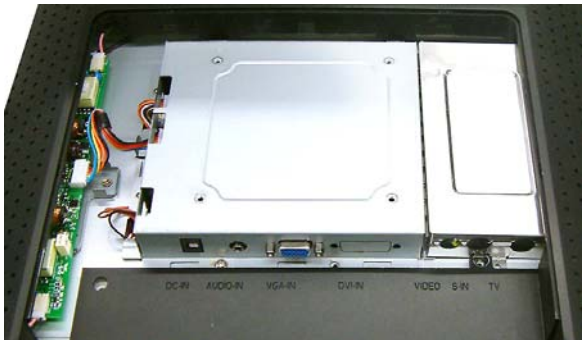
2. **First, remove the plastic back cover by pushing clips in two sides .**

3. **Locate pin connector on the TV tuner and the pin connector on monitor indicated.**

4. **Slide the TV tuner module into the right side of the spare space of the back of monitor, and gently plug the optional TV tuner into the connector mentioned at Step 3 .**

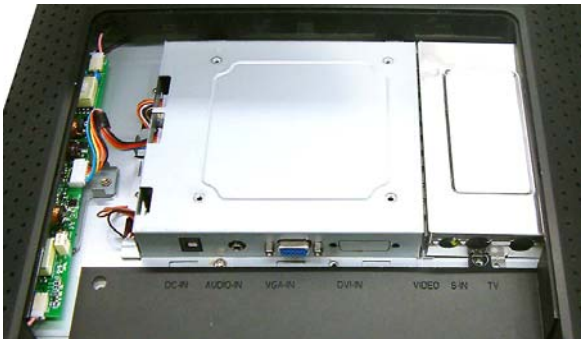






Hardware Installation TV Tuner (Option)

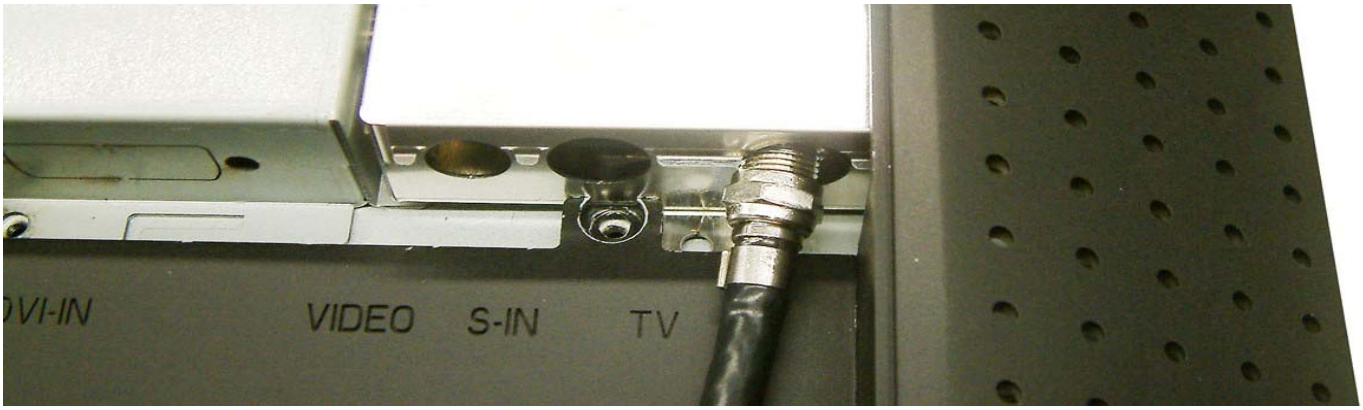
5. **Screw to fix TV tuner module on the supporting sheet metal and re-install the color back panel.**



6. **Insert the RCA video signal cable into VIDEO port, and the other side to RCA Video output on sources such as DVD player…….**

7. **Insert the S-Video signal cable into S-IN port, and the other side to S-Video output on sources such as DVD player…….**

8. **Insert the TV signal cable into TV port, from the local cable TV system provider…….**



9. **Congratulations again! You've done an incredible job and can start to enjoy it.**

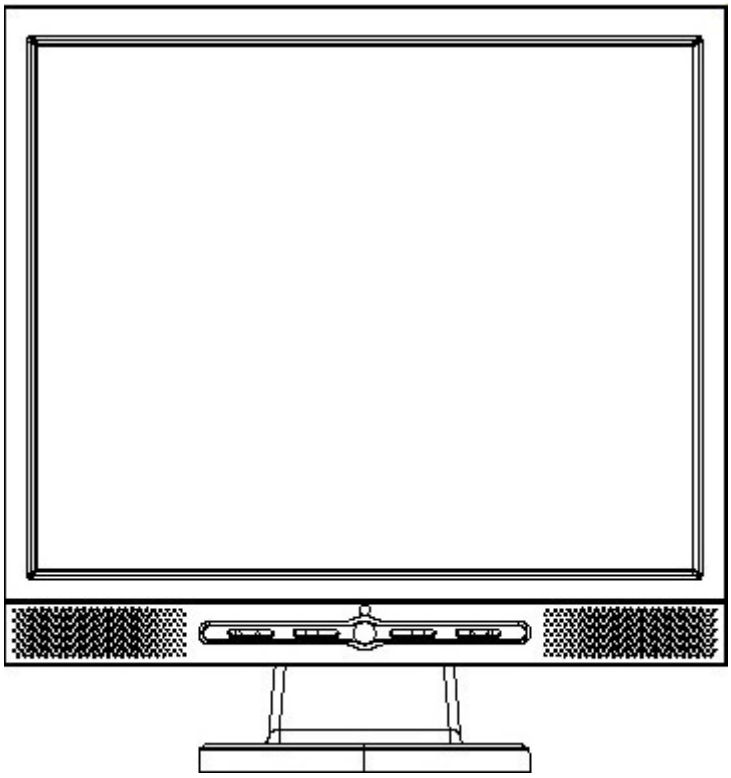
Angle of Inclination

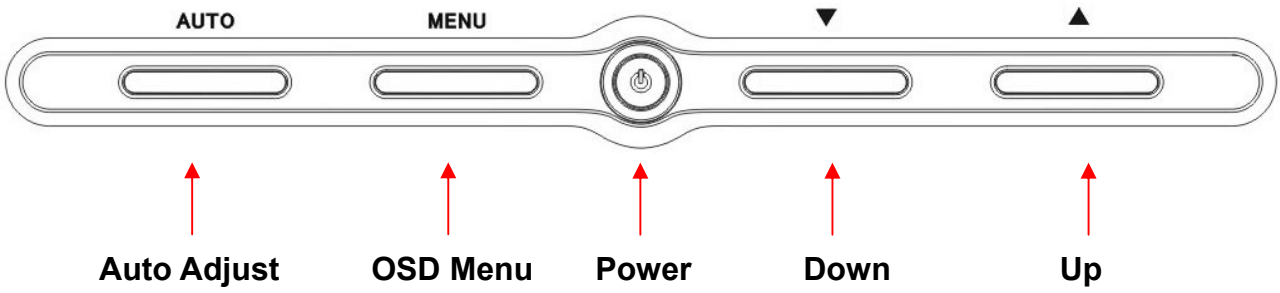
In normal condition

LCD lay back 0˚ ~ 15˚ (positive and negative 2˚)

Monitor Setup Button

Menu control button





There 5 keys for user to set up the monitor, including " Power", "MENU ", "AUTO", " <▼> Down", " <▲> Up". Please refer to the introduction below.

1. **" Power": Turn the LCD power on and off. When the power is on, the light turns green, and standby in the color of orange.**
2. **"AUTO": Exit and save the setting. Hot key for auto adjustment.**
3. **"MENU": Press the button to display OSD main menu and select OSD Option.**
4. **"<▲> Up": Increase the value in the OSD option. Hot key for PC / Video / S-Video / TV mode. You can use the button to switch between PC, Video, S-Video, and TV mode screen.**
5. **"<▼> Down": Decrease the value in the OSD option . Hot key for volume adjustment.**

Troubleshooting

If you encounter any trouble in using the monitor, make sure your monitor is properly installed according to the following steps before you call for service.

- **There is no picture on the screen.**

  Check:

  1. **Power saving mode. Press any key and move the mouse to deactivate the mode.**
  2. **Signal Cable Connector Pins. If there are bent or missing pins, consult your dealer or store where you purchased the monitor.**

- **Characters look too dark or too bright**

  Check:

  1. **Using OSD Menu to adjust the Contrast.**

- **When shall your monitor be adjusted?**

  Check:

  1. **After " reset"**
  2. **If the resolution of frequency is being changed.**

. The text on the screen is unclear.

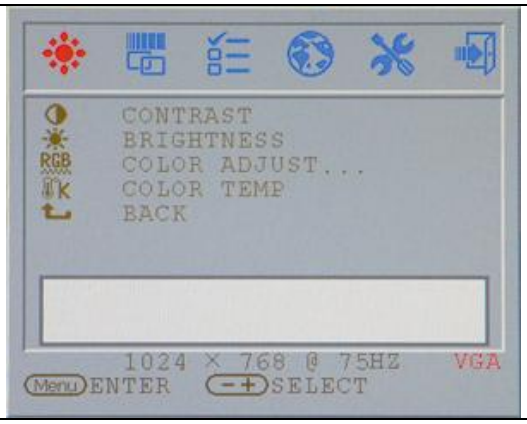
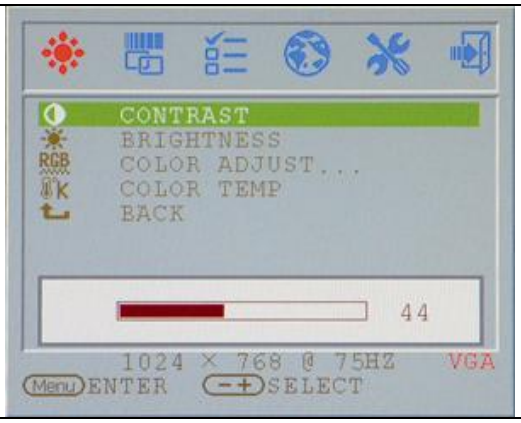
Check

1. **Make sure the resolution matches with the display mode.**

OSD (On-Screen Display) Menu Mode (PC Mode)

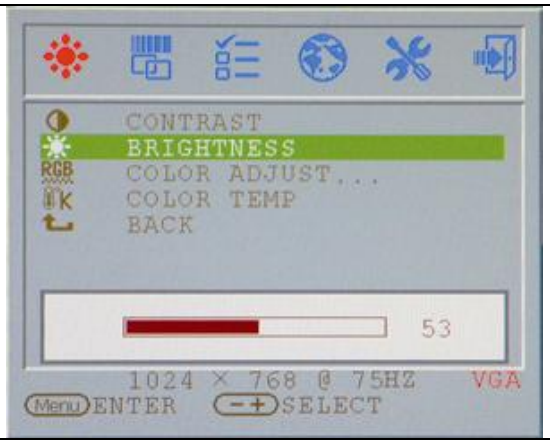
Option select

1. **Press the MENU button to access menu.**
2. **Using MENU again for advanced adjustment selection.**
3. **Press Down and Up for choosing different OSD function.**
4. **Press MENU as enter to select the function you want.**

 Main Menu Setting	 Main Menu Setting
 Contrast： **Adjust the contrast ratio of the display.**	 CONTRAST

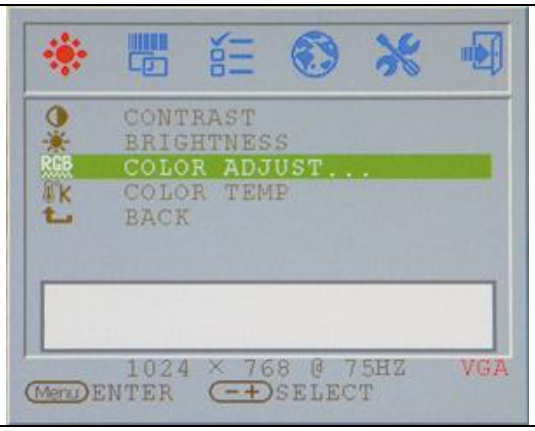
OSD (On-Screen Display) Menu Mode (PC Mode)

BRIGHTNESS:
Adjust the difference between light and dark area.



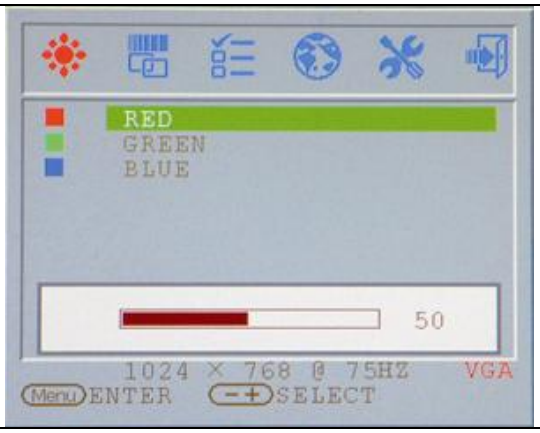
BRIGHTNESS

COLOR ADJUST:
Adjust the RED, GREEN, and BLUE colors of the display. Click "ENTER" to adjust the R.G.B. color separately.



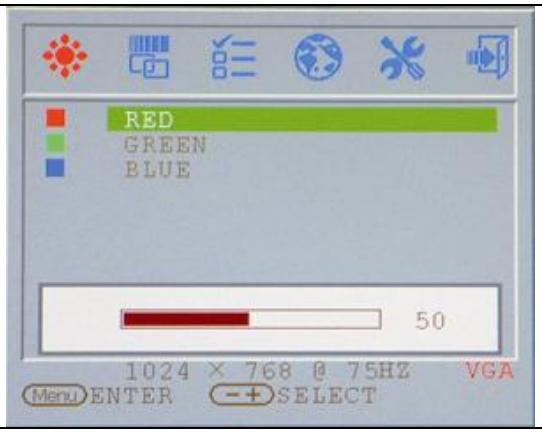
COLOR ADJUST

RED:
Adjust the RED color of the display.



RED

BLUE:
Adjust the BLUE color of the display.



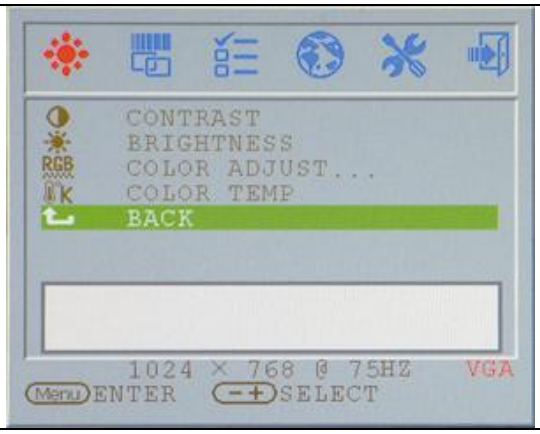
BLUE

OSD (On-Screen Display) Menu Mode (PC Mode)

COLOR TEMP:
Adjust the color temperature of the display.

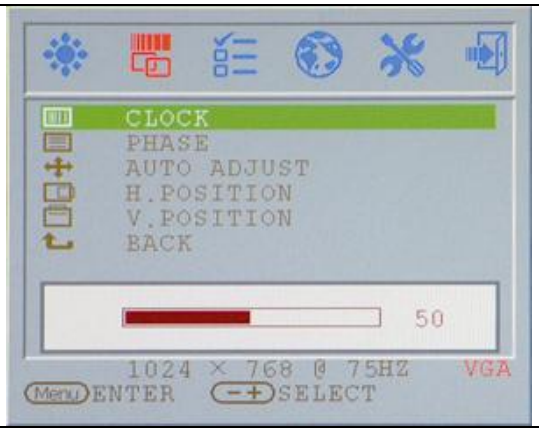
COLOR TEMP

BACK :
Return to the Main Menu Screen

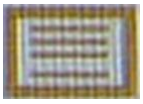


BACK

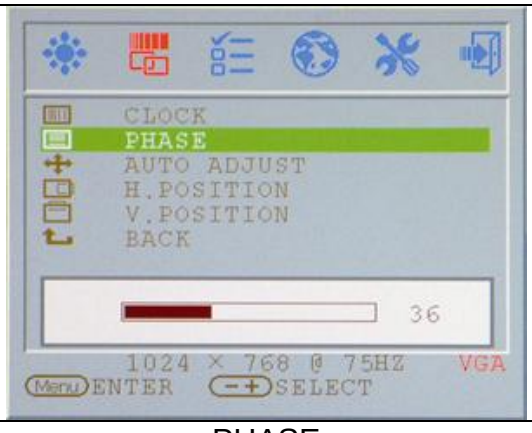
COLOCK:
Adjust the re-flash ratio of the vertical scanning area.



CLOCK



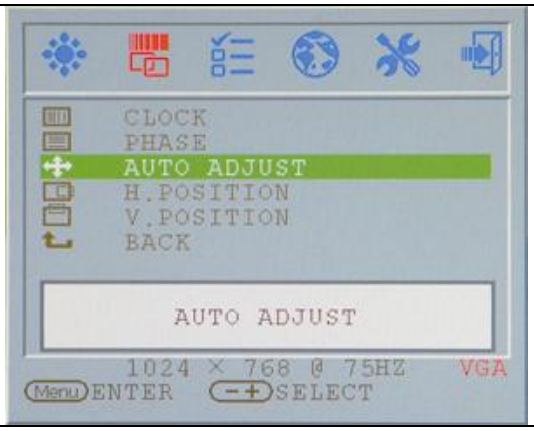
PHASE:
Adjust the re-flash ratio of the horizontal scanning area.



PHASE

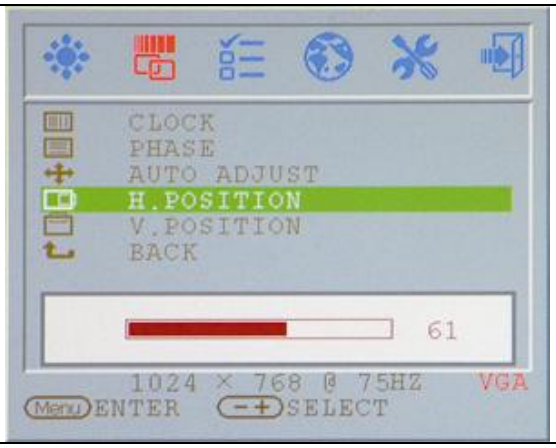
OSD (On-Screen Display) Menu Mode (PC Mode)

AUTO ADJUST:
Automatically adjust the re-flash ratio of both vertical and horizontal scanning areas of the display.



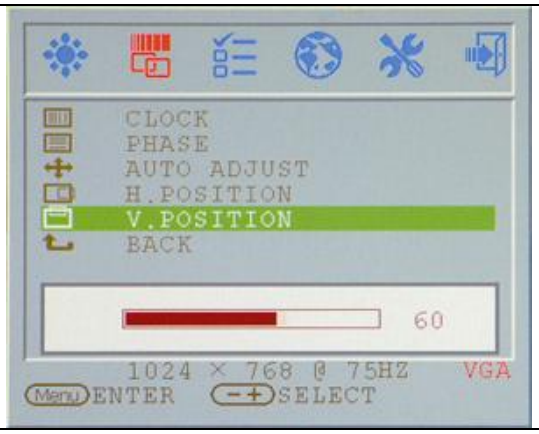
AUTO ADJUST

H. POSITION:
Adjust the horizontal viewing area of the display.



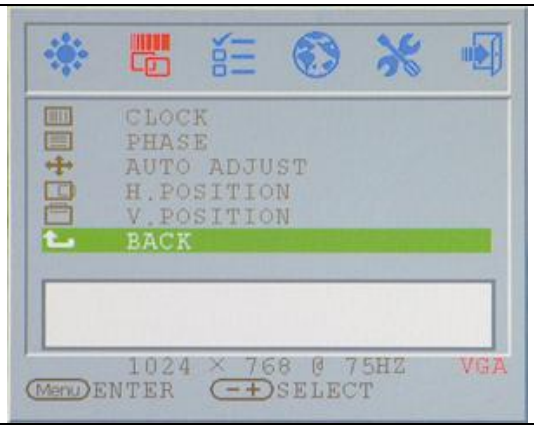
H. POSITION

V. POSITION:
Adjust the Vertical viewing area of the display.



V. POSITION

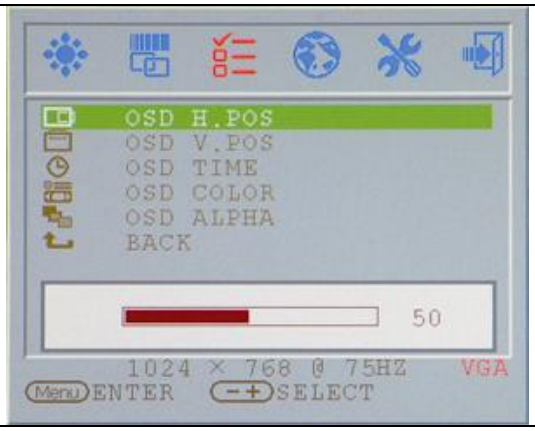
BACK :
Return to the Main Menu Screen



BACK

OSD (On-Screen Display) Menu Mode (PC Mode)

OSD H. POS:
Adjust the Horizontal position of the OSD.



OSD H. POS

OSD V. POS:
Adjust the Vertical position of the OSD.

OSD V. POS

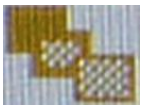
OSD TIME:
Adjust the displaying time of the OSD.

OSD TIME

OSD COLOR:
Change the displaying color of the OSD.

OSD COLOR

OSD (On-Screen Display) Menu Mode (PC Mode)



OSD ALPHA:
Adjust the Alpha volume of the OSD displaying.

OSD ALPHA

BACK:
Return to the Main Menu Screen.

BACK

LANGUAGE:
Change the language support to the language displaying of the OSD.

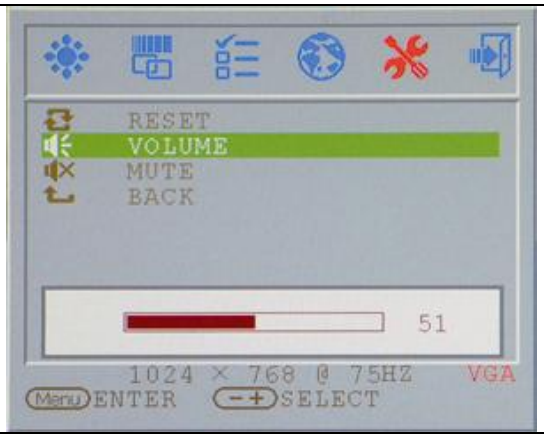
LANGUAGE

RESET:
Reload the factory default setting of the display.

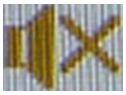
RESET

OSD (On-Screen Display) Menu Mode (PC Mode)

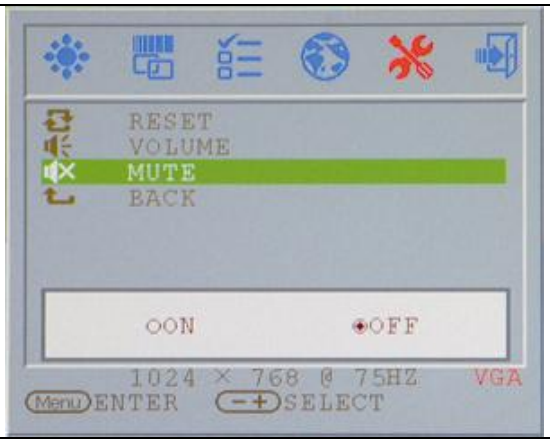
VOLUME:
Adjust the sound volume of the embedded speaker of the display.



VOLUME

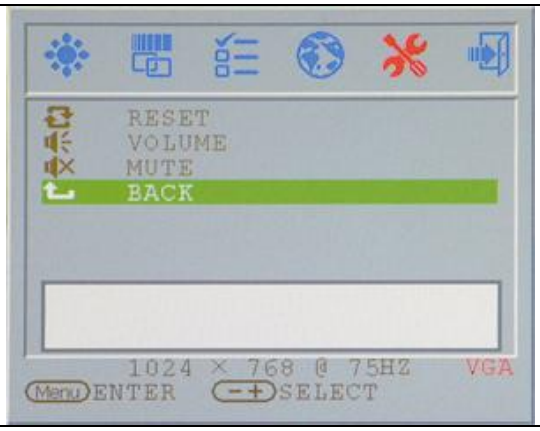


MUTE:
Silence the embedded speaker of the display.



MUTE

BACK :
Return to the Main Menu Screen



BACK

VGA / DVI:
Switch to the VGA / DVI Signal inputs of the display.

VGA / DVI

Display Mode

Incoming Display Mode		
Resolution	**Horizontal Frequency (KHz)**	**Vertical Frequency (Hz)**
640X350 (50Hz)	31.5KHz	50.0Hz
640X350 (60Hz)	31.5KHz	59.9Hz
640X350 (70Hz)	31.5KHz	70.1Hz
720X400 (50Hz)	31.5KHz	50.0Hz
720X400 (60Hz)	31.5KHz	59.9Hz
720X400 (70Hz)	31.5KHz	70.1Hz
640X480 (50Hz)	31.5KHz	50.0Hz
640X480 (60Hz)	31.5KHz	59.9Hz
640X480 (66Hz)	35.0KHz	66.7Hz
640X480 (72Hz)	37.9KHz	72.8Hz
640X480 (75Hz)	37.5KHz	75.0Hz
800X600 (50Hz)	35.2KHz	56.3Hz
800X600 (60Hz)	37.9KHz	60.3Hz
800X600 (72Hz)	48.1KHz	72.2Hz
800X600 (75Hz)	46.9KHz	75.0Hz
832X624 (75Hz)	49.7KHz	75.0Hz
1024X768 (60Hz)	48.3KHz	60.0Hz
1024X768 (70Hz)	56.5KHz	70.1Hz
1024X768 (72Hz)	57.7KHz	72.1Hz
1024X768 (75Hz)	60.0KHz	75.0Hz
1152X864 (75Hz)	67.5KHz	75.0Hz
1280X960 (60Hz)	60.0KHz	60.0Hz
1280X1024 (60Hz)	64.0KHz	60.0Hz
1280X1024 (75Hz)	80.0KHz	75.0Hz
720X480 (60Hz)	15.7KHz	59.9Hz
720X576 (50Hz)	15.6KHz	50.0Hz

1. **We offer you 26 Windows compatible modes.**
2. **If any interference occurs on your screen while you modulating your PC or OSD. It is normal.**
3. **To obtain best display quality, remember to upgrade your video card driver. We strongly recommended you choose a mode listed in the above-mentioned table.**
4. **The modes not listed on the table above may be supported.**
5. **You may use the power management on your computer. It's good for extending the service life of the product.**

Specification

LCD Panel	Type	17.0” TFT Active Matrix LCD Display
	Viewing Angle	H:150° , V:125°
	Contrast Ratio	500 : 1 (MAX), 350:1 (Typical)
	Brightness	300 cd/m^2 (Max)
	Response Time	12 ms(Typical)
	Display Colors	16.2 M colors
	Max Resolution	1280X1024(SXGA)
	Pixel Pitch	0.264mm(H)x0.264mm(V)
Input Signals	RGB Analog	Video Level:0.7Vp-p(75Ω) Sync TTL with 75Ω internal pull-up resistors Frequency FH:30~79KHz / FV:56~75Hz
Compatibility	PC	Up to 1280X1024@75Hz(Non-interlaced)
Connector	RGB Analog	D-sub 15-pins
	Audio In	Stereo Phone Jack, RCA-Jack(L/R)*
	Audio Out	Stereo Phone Jack, RCA-Jack(L/R)*
	Power	12V/DC Power Jack
	*DVI-D	*DVI-D Connector for Signal input
Power	AC input Voltage	100-240V, 50/60Hz(universal) via external AC Adapter
	DC input Voltage	12VDC 4A Max
	Consumption	Active < 48Watt Max
	Power saving mode	Standby < 5Watt
Internal Speaker		2Wx2(Stereo)
User Interface	LED Indicator	Active - Green Off - Turn off Standby - Orange
Operating Condition	Temperature	0°C~40°C
	Air Humidity	20% ~ 80% R.H.
Dimensions	Physical	438mm(H) x 436mm(W) x 59mm(D)
Net Weight		5.5Kg
DDC		DDC1/DDC2B Compliant
Power Management		VESA DPMS, EPA Energy Star
Regulation (Certifications)		CE, FCC, BSMI, CB, TUV, UL

*Option Function